CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/BAK/INW No.1976/Soil/2016-17 03.09.2016

TEST REPORT ON DRY DENSITY OF SOIL IN PLACE BY THE CORE - CUTTER METHOD

* Customer	:	**Asst. Executive Engineer,** Lakes, BBMP, Bangalore.
* Agency	:	**Mr. Balakrishna Arun Kumar,** #316,25th cross, Banashankari 2nd Stage, Bangalore-560070.
* Name of work	:	Development of Doddabommasandra Lake Phase-2, BBMP, Bangalore.
* Reference	:	AEE/Lakes/PR/97/2016-17 Dated: 22.08.2016
* Sample ID	:	Soil
Technical Reference	:	IS : 2720 - (Part 29) 1974 (RA-2010)
Date of Test	:	02.09.2016

Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 4m depth
Chainage	50m
Wt of empty Cylinder in grams	938
Cylinder + Wet Soil in grams	2898
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.92
Moisture Content (%)	2.86
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.87
Field compaction achieved (%)	95.27
Required Compaction (%)	95.0

*Information is furnished by the Customer/Representative

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[illegible] nagar,
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ಬೆಂಗಳೂರು

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Technical Reference	:	IS : 2720 - (Part 29) 1974 (RA-2010)
Date of Test	:	02.09.2016

Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 4m depth
Chainage	50m
Wt of empty Cylinder in grams	932
Cylinder + Wet Soil in grams	2926
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.95
Moisture Content (%)	4.00
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.88
Field compaction achieved (%)	95.86
Required Compaction (%)	95.0

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Technical Reference	:	IS : 2720 - (Part 29) 1974 (RA-2010)
Date of Test	:	02.09.2016

Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 4m depth
Chainage	50m
Wt of empty Cylinder in grams	898
Cylinder + Wet Soil in grams	2885
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.95
Moisture Content (%)	2.74
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.90
Field compaction achieved (%)	96.70
Required Compaction (%)	95.0

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Date of Test	:	02.09.2016

Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 5.5m depth
Chainage	50m
Wt of empty Cylinder in grams	962
Cylinder + Wet Soil in grams	2932
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.93
Moisture Content (%)	2.26
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.89
Field compaction achieved (%)	96.32
Required Compaction (%)	95.0

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Date of Test	:	02.09.2016

Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 5.5m depth
Chainage	250m
Wt of empty Cylinder in grams	908
Cylinder + Wet Soil in grams	2892
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.94
Moisture Content (%)	3.23
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.88
Field compaction achieved (%)	96.09
Required Compaction (%)	95.0

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Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 5.5m depth
Chainage	100m
Wt of empty Cylinder in grams	934
Cylinder + Wet Soil in grams	2923
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.95
Moisture Content (%)	3.21
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.89
Field compaction achieved (%)	96.35
Required Compaction (%)	95.0

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Max.Dry Density g/cc	:	1.96
Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 5.5m depth
Chainage	200m
Wt of empty Cylinder in grams	1032
Cylinder + Wet Soil in grams	2995
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.92
Moisture Content (%)	3.07
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.87
Field compaction achieved (%)	95.21
Required Compaction (%)	95.0

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Optium Moisture Content (%)	:	11.90

DETERMINATION OF WET DENSITY	
Location	Main bund 5.5m depth
Chainage	300m
Wt of empty Cylinder in grams	902
Cylinder + Wet Soil in grams	2877
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.94
Moisture Content (%)	3.71
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.87
Field compaction achieved (%)	95.21
Required Compaction (%)	95.0

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